



1949

VACUUM-GAUGE TUBE

HARD-GLASS BULB, IONIZATION TYPE

1949

DATA**General:**

Filament, Tungsten:*

Voltage (Approx.) 5 ac or dc volts

Current (Approx.) 3.5 amp

Maximum Tube Length (Including tubulation) 11-1/2"

Maximum Tube Radius 2-3/16"

Maximum Bulb Length 5-1/8"

Maximum Bulb Diameter 2-1/16"

Bulb T-16

Tubulation 1/2" Diameter Hard Glass,

Corning Code 772 Nonex

Operating Position Vertical with tubulation up or

down; Horizontal, with stem

press in vertical plane

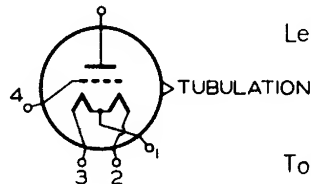
Terminal Arrangement See Outline Drawing

Terminal Lead Connections:

Lead 1 - Common

Lead to
Filaments

Lead 2 - Filament

Lead 3 - Filament
(Spare)

Lead 4 - Grid

Top Lead - Plate

Maximum Ratings, Absolute Values:

FILAMENT VOLTAGE 6.5 max. volts ←

DC PLATE VOLTAGE DURING OPERATION . . -100 max. volts

DC GRID VOLTAGE DURING OPERATION . . +200 max. volts

VOLTAGE ON GRID & PLATE TIED TOGETHER

DURING DEGASSING (DC OR PEAK AC) 650 max. volts

GRID & PLATE DISSIPATION (TOTAL)

DURING DEGASSING . . 150 max. watts

AMBIENT TEMPERATURE DURING OPERATION. 100 max. °C

GAS PRESSURE 0.001 max. mm of Hg

Typical Degassing Conditions: ←*Grid Connected to Plate*

Filament Voltage (AC or DC) . . . 6 6 volts

Grid & Plate Voltage 350 rms 500 dc volts

Grid & Plate

Current (Average) 100 150 ma

Typical Operation:

DC Plate Voltage -22.5 -22.5 -22.5 volts

* The 1949 contains two filaments, one of which is a spare. Values shown are for either filament operated alone. The filament voltage should be kept as low as possible during degassing because use of a low filament voltage materially increases filament life.

← Indicates a change

MARCH 1, 1954

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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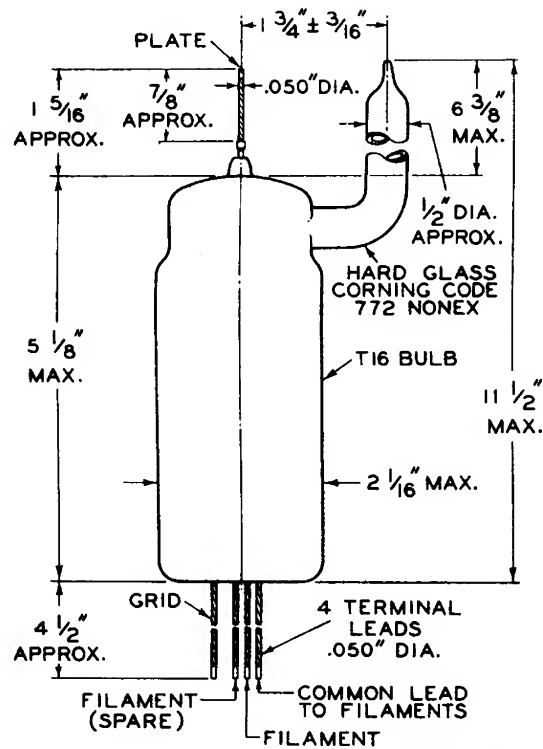
VACUUM-GAUGE TUBE

DC Grid Voltage	+80	+110	+160	volts
Grid Current	10	10	10	ma
Sensitivity	80	110	140	$\mu\text{a}/\text{micron}^\Delta$

Calibration:

See curve on following sheet.

▲ 1 micron = 0.001 mm of mercury.



92CS - 6817

MARCH 1, 1954

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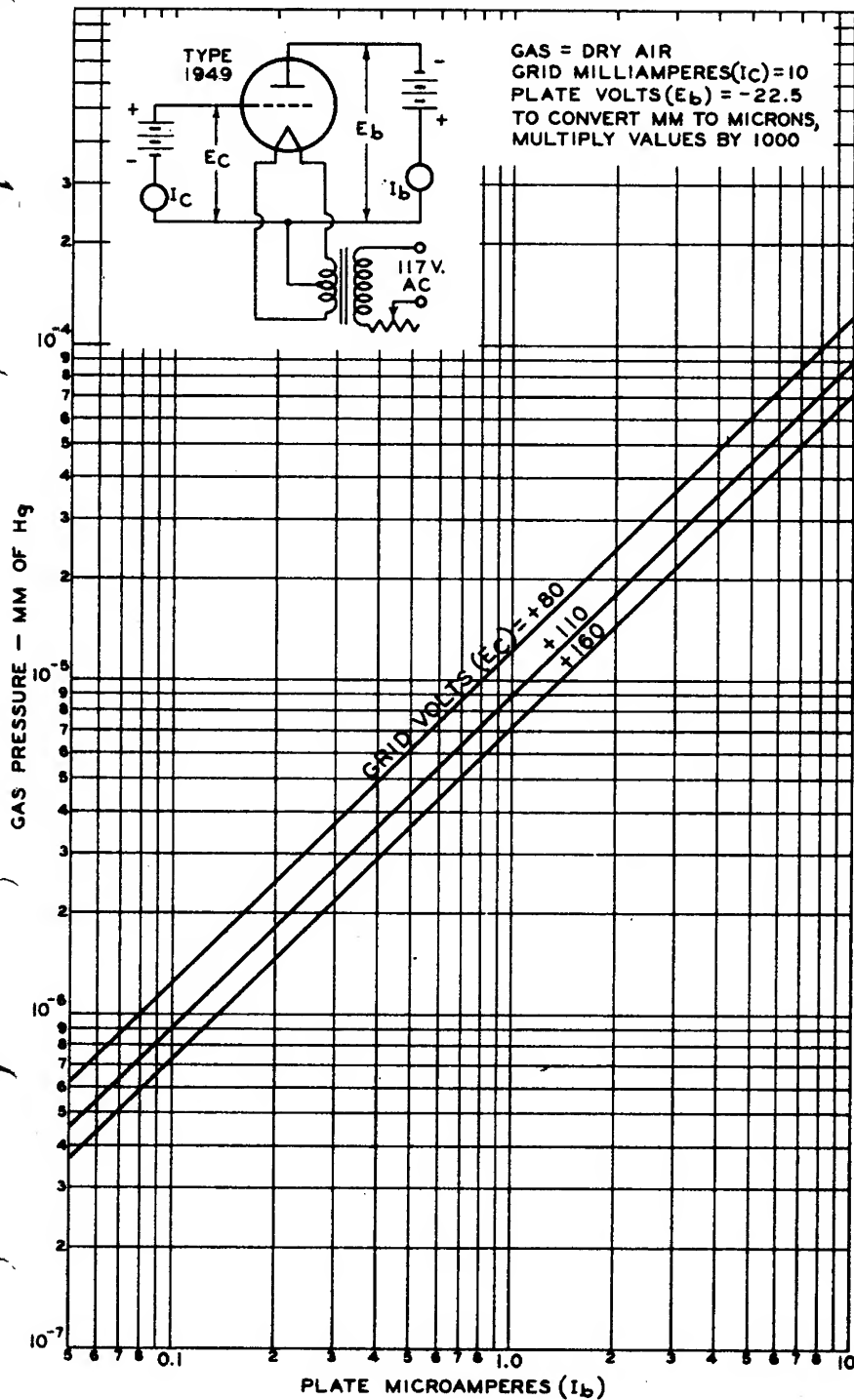
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CALIBRATION CURVES



MAR. 11, 1947

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